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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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STERNE, KESSLER, GOLDSTEIN & FOX PLLC
1100 NEW YORK AVENUE, N.W., SUITE 600
WASHINGTON, DC 20005-3934

EXAMINER
NILAND, PATRICK DENNIS

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A reference relevant to the examination of this application may soon become available. *Ex parte* prosecution is SUSPENDED FOR A PERIOD OF 6 MONTHS from the date of this letter. Upon expiration of the period of suspension, applicant should make an inquiry as to the status of the application.

The copending application 09/867983 has been allowed and is at patent publications. It is therefore unavailable to the examiner by the date that an office action is due. From US Patent Application Publication US 2001/0035406, it appears that the two applications claim the same or similar subject matter such that the allowed application must be considered regarding double patenting or obviousness type double paten ting.

3.Any inquiry concerning this communication should be directed to Patrick D. Niland at telephone number 703-308-3510.

Patrick D. Niland
Primary Examiner
Art Unit 1714

Patrick D. Niland
Primary Examiner
Art Unit: 1714

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Ryan et al. (43) **Pub. Date: Nov. 1, 2001**

(54) **APPARATUS FOR RF ACTIVE COMPOSITIONS USED IN ADHESION, BONDING, AND COATING**

(75) Inventors: **William J. Ryan**, Avon, NY (US); **Jonathan M. Gorbold**, Pittsford, NY (US); **Gary C. Adishian**, Scottsville, NY (US)

Correspondence Address:
STERNE, KESSLER, GOLDSTEIN & FOX PLLC
1100 NEW YORK AVENUE, N.W., SUITE 600
WASHINGTON, DC 20005-3934 (US)

(73) Assignee: **Ameritherm, Inc.**

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(60) Division of application No. 09/482,553, filed on Jan. 13, 2000. Continuation-in-part of application No. 09/404,200, filed on Sep. 23, 1999, now abandoned. Continuation-in-part of application No. 09/270,505, filed on Mar. 17, 1999, now abandoned. Non-provisional of provisional application No. 60/078,282, filed on Mar. 17, 1998.

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(51) **Int. Cl.**[7] **H05B 6/06**

(52) **U.S. Cl.** **219/634**; 219/660

(57) **ABSTRACT**

A susceptor composition that can bond two or more layers or substrates to one another and that can be used to coat or cut a substrate. The susceptor composition is activated in the presence of radio frequency (RF) energy. In one embodiment, the susceptor composition of the present invention comprises a susceptor and a carrier. The carrier and susceptor are blended with one another and form a mixture, preferably a uniform mixture. The susceptor is present in an amount effective to allow the susceptor composition to be heated by RF energy. In a preferred embodiment, the susceptor also functions as an adhesive. The susceptor is an ionic or polar compound and acts as either a charge-carrying or an oscillating/vibrating component of the susceptor composition. The susceptor generates thermal energy in the presence of an RF electromagnetic or electrical field (hereafter RF field).